

Converting Colors

Yxy(83.1865, 0.4034, 0.4957)

Have a look what the booklet for
Yxy(83.1865, 0.4034, 0.4957)
contains.

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Color

Yxy(83.3039, 0.4033, 0.4959)

Conversions

Conversions Part 1

Format	Color
Hex	EBF53D
RGB	235, 245, 61
RGB Percent	92%, 96%, 24%
CMY	0.0786, 0.0392, 0.7605
CMYK	0.04, 0.00, 0.75, 0.04
HSL	63°, 90%, 60%
HSV	63°, 75%, 96%
XYZ	67.7485, 83.3039, 16.9329
YIQ	221.0340, 53.1040, -59.3440

Conversions

Conversions Part 2

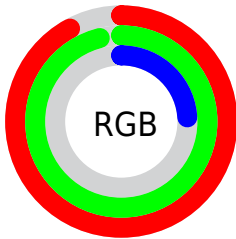
Format	Color
RYB	61, 245, 71
Decimal	15463741
CIELab	93.15, -23.82, 80.63
CIELCh	93, 84.078, 106.460
Yxy	83.3039, 0.4033, 0.4959
Android (android.graphics.Color)	4293653821 (0xFFEBF53D)
YUV	221.0340, -78.8968, 12.2482
Hunter-Lab	91.2710, -27.2275, 52.8900

Details

The Yxy color **83.3039, 0.4033, 0.4959** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.2833, 0.1737, 0.0944**, and the grayscale version is **72.8727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1851, 0.3889, 0.4549**, and **45.5092, 0.4064, 0.5155** is the 20% darker color. If you saturate the color by 10%, you get **82.8739, 0.4076, 0.5058**, and if you desaturate by 10%, it is **83.8638, 0.3963, 0.4816**.

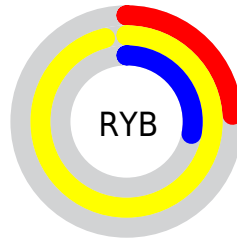
Distribution



Red (92%)

Green (96%)

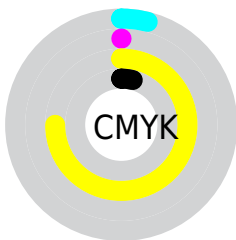
Blue (24%)



Red (24%)

Yellow (96%)

Blue (28%)

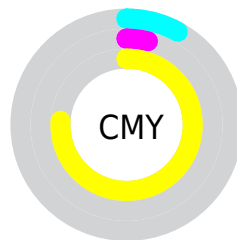


Cyan (4%)

Magenta (0%)

Yellow (75%)

Black (4%)



Cyan (8%)


Magenta (4%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3039, 0.4033, 0.4959 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 83.3039, 0.4033, 0.4959 by changing the saturation by 10% instead.

 83.3039, 0.4033,
0.4959


 83.3039, 0.4033,
0.4959

505.9988, 0.3699,
0.4235

 62.4409, 0.4081,
0.5100


 138.0010, 0.3939,
0.4725


 45.3890, 0.4125,
0.5259


 172.6039, 0.3896,
0.4629

 31.7640, 0.4158,
0.5436

 212.5555, 0.3856,
0.4544

 21.1813, 0.4167,
0.5629

 258.2403, 0.3819,
0.4468

 13.2566, 0.4146,
0.5854

 310.0427, 0.3785,
0.4400

 7.6055, 0.3992,
0.6008


368.3469, 0.3754,


 3.8435, 0.3758,


0.4339


0.6242


433.5375, 0.3726,
0.4285


 1.5864, 0.3357,
0.6643


 0.3484, 0.0000,
1.0000


 83.3039, 0.4033,
0.4959


 83.3039, 0.4033,
0.4959


 82.8739, 0.4076,
0.5058

 83.8638, 0.3963,
0.4816

 82.5445, 0.4094,
0.5113

 84.5567, 0.3868,
0.4632


 82.4074, 0.4097,
0.5129


 85.3988, 0.3753,
0.4415


 86.4012, 0.3623,
0.4175

 87.5740, 0.3483,
0.3922

 88.9264, 0.3340,
0.3666

 90.4668, 0.3198,
0.3414

 92.0681, 0.3072,
0.3193

 92.3106, 0.3081,
0.3193

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3039, 0.4731, 0.4402



83.3039, 0.4033, 0.4959



83.3039, 0.3153, 0.5030

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3039, 0.4033, 0.4959



83.3039, 0.1538, 0.2400



83.3039, 0.3838, 0.2497

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83.3039, 0.4033, 0.4959



11.2833, 0.1737, 0.0944

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3039, 0.2851, 0.2081



83.3039, 0.4033, 0.4959



83.3039, 0.1656, 0.1980

Square

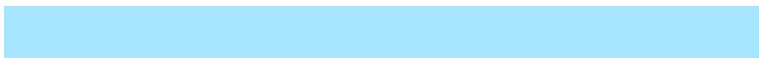
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3039, 0.4033, 0.4959



83.3039, 0.1746, 0.3228



83.3039, 0.2089, 0.1895



83.3039, 0.4696, 0.3074

Rectangle

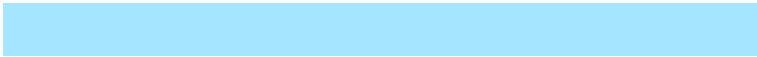
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3039, 0.4033, 0.4959



83.3039, 0.2573, 0.4631



83.3039, 0.2089, 0.1895



83.3039, 0.3501, 0.2336

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83.3078, 0.4033, 0.4959



96.1787, 0.3454, 0.3871



24.1673, 0.5668, 0.3365



20.4789, 0.3506, 0.3963



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3078, 0.4033, 0.4959



90.5510, 0.4088, 0.5091



71.5673, 0.3397, 0.5405



19.2648, 0.3260, 0.3524



44.4086, 0.4098, 0.5128



3.9169, 0.4111, 0.5118

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.2833, 0.1737, 0.0944



8.3497, 0.1565, 0.0680



17.6457, 0.2385, 0.1271



15.9699, 0.2988, 0.3046



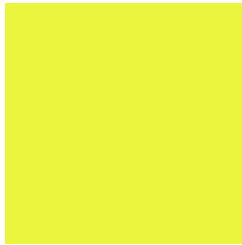
3.6172, 0.1517, 0.0609



0.3328, 0.1559, 0.0632

Previews

White Background



This preview shows how the Yxy color 83.3039, 0.4033, 0.4959 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 83.3039, 0.4033, 0.4959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3039, 0.4033, 0.4959

Background



This preview shows how black text looks on a background with the Yxy color 83.3039, 0.4033, 0.4959.

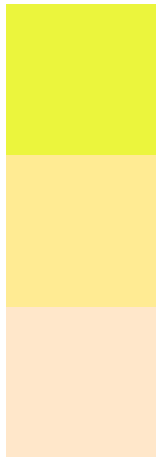


This preview shows how white text looks on a background with the Yxy color 83.3039, 0.4033, 0.4959.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.3039, 0.4033, 0.4959

Protanopia

82.7832, 0.3838, 0.4169

Deuteranopia

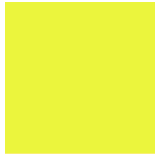
82.6761, 0.3488, 0.3583



Tritanopia

82.6499, 0.3170, 0.3113

Trichromacy



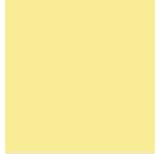
Original Color

83.3039, 0.4033, 0.4959



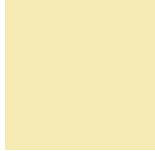
Protanomaly

82.9504, 0.3945, 0.4499



Deuteranomaly

82.1817, 0.3758, 0.4157



Tritanomaly

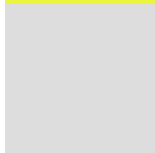
81.5128, 0.3562, 0.3861

Monochromacy



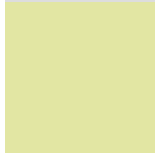
Original Color

83.3039, 0.4033, 0.4959



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4067, 0.3537, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3039, 0.4033, 0.4959 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(235, 245, 61)` looks like.

```
.text, #text, p{  
    color:rgb(235, 245, 61)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 245, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 245, 61) }
```

Border

The CSS property to change the border of an element to Yxy 83.3039, 0.4033, 0.4959 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 245, 61) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(235, 245, 61) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(235, 245, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 245, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 245, 61);  
box-shadow:4px 4px 4px 4px rgb(235, 245,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3039, 0.4033, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 245, 61) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235,  
245, 61) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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